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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,796

DATE: 10/30/2001

TIME: 11:50:53

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3 <110> APPLICANT: Jegla, Timothy James
 4 ICAGEN, Inc.
 6 <120> TITLE OF INVENTION: KCNQ5, a Novel Potassium Channel
 8 <130> FILE REFERENCE: 018512-005010US
 10 <140> CURRENT APPLICATION NUMBER: US 09/810,796
 C--> 11 <141> CURRENT FILING DATE: 2001-10-12
 13 <150> PRIOR APPLICATION NUMBER: US 60/190,954
 14 <151> PRIOR FILING DATE: 2000-03-21
 16 <160> NUMBER OF SEQ ID NOS: 17
 18 <170> SOFTWARE: PatentIn Ver. 2.1
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 27 potassium channel KCNQ5-1
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98 <220> FEATURE:

99 <221> NAME/KEY: CDS

100 <222> LOCATION: (1)..(2694)

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218 <220> FEATURE:

219 <223> OTHER INFORMATION: human outwardly rectifying, voltage-gated

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233      35              40              45
234 Gly Ala Arg Met Ser Leu Leu Gly Lys Pro Leu Ser Tyr Thr Ser Ser
235      50              55              60
236 Gln Ser Cys Arg Arg Asn Val Lys Tyr Arg Arg Val Gln Asn Tyr Leu
237      65              70              75              80
238 Tyr Asn Val Leu Glu Arg Pro Arg Gly Trp Ala Phe Ile Tyr His Ala
239      85              90              95
240 Phe Val Phe Leu Leu Val Phe Gly Cys Leu Ile Leu Ser Val Phe Ser
241      100             105             110
242 Thr Ile Pro Glu His Thr Lys Leu Ala Ser Ser Cys Leu Leu Ile Leu
243      115             120             125
244 Glu Phe Val Met Ile Val Val Phe Gly Leu Glu Phe Ile Ile Arg Ile
245      130             135             140
246 Trp Ser Ala Gly Cys Cys Cys Arg Tyr Arg Gly Trp Gln Gly Arg Leu
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255      210             215             220
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